pap	n3	•	
v .	Sheet_	1	_o[4]
			80000 W.

U.S. DEPARTMENT OF COMMERCE FORM PTO-1449 (Rev. 2-32)

PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)

ATTY.DOCKET	NO.
17171-CTP-	4

SERIAL NO.

APPLICANT

Elliot S. Klein et al.

FILING DATE

GROUP Unassigned

U.S. PATENT DOCUMENTS

	EXAMINER WHITTAL			DOC	UME	וזא	NUM	BER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MA	4	-	4	0	9	6	3	4	1	06/20/78	Frazer			
1	Ma	-	4	+	9	5	6	4	9	09/22/87	Magami et al	<u> </u>		<u> </u>
- 1	-	-	4	7	3	9	0	9	8	04/19/88	Chandraratna			
\ \ \	_	\vdash	4	7	4	0	5	1	9	04/26/88	B. Shroot, et al.			
-1	-+	╁	4	8	1	0	8	0	4	03/07/89	Chandraratna	\bot		
- 1	-	+	4	8	2	6	9	6	9	05/02/89	Maignan et al.	<u> </u>		
- 1		+	4	8	5	5	3	2	0	08/08/89	Chatterjee et al.	<u> </u>		ļ
1		╀╌	4	8	9	5	8	6	8	01/23/90	Chaudraratna			03/29/88
		╀	+-	9	8	0	3	6	9	12/25/90	Chandraratna			09/19/89
. 1	1-21-	╀	4	+	+-	+	1.	6	μ-	02/12/91	Chandraratna			07/26/89
ľ	1-1	╀	5	0	9	6	5	5	0	04/09/91	Chandraratna			12/29/89

FOREIGN PATENT DOCUMENTS

**									T 1			SUBCLASS	TRANS	LATION
	D	000	ÜN	4E	NT	NUI	MBI	ER	DATE	COUNTRY	CLASS	SORCEASS	YES	NO
IM TOOK		Τ,	П.	3	0	7	9	5	01/19/85	European	C07D	311/58	xxx	
MY TO	0	+1	+	5	0	3	4	F-	04/02/89	European	C07C	63/66	27.7°	хх
1	- 1	+	+	0	8	-	6	0	09/24/87	Germany	C07D	311/04		XX
	0	+	-		1	2	8	8	09/28/88	European	C07D	401/04	xxx	
W - VI		1	-	<u>.</u>	1	8	4	6	07/10/89	European	C07D	311/85		XX

rs (Including author, Title, Date, Pertinent Pages, Etc.)

TO	THER DOCUMENTS (Including	author, Title, Date, Teremont ang-	
.1	A General Synthesis of Termi Reaction of Alkynylzinc Reag	nal and Internal Arylalkynes by the Pa ents with Aryl Halides by Anthony O.	alladium-Catalyzed King and Ei-ichi,
MMM	J. Org. Chem., (1978) 43/2: p	. 358.	•
1	Conversion of Methyl Ketone of Terpenoid Origin by Ei-ic	s into Terminal Acetylenes and (E)-T hi, et al., <u>J. Org. Chem.</u> , (1980) 45/12	: p.2526.
		•	
	Sporn et al. in J. Amer. Aca	d. Derm (1986) 15:756-764	
0			
EXA	MINER	DATE CONSIDERED	
	A KINA	1	<u> </u>

FORM PTO-1449-EU.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) ATTY.DOCKET NO. 17171-CIP-4

APPLICANT

RElliont S. Klein et al.

FILING DATE

GROUP Unassigned

U.S. PATENT DOCUMENTS

,	EXAMIN INITIA	ER	Τ	DOC	UMU	NI	NUM	DES	<u> </u>	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MÀ			+	10	١,	3	7	4	4	05/07/91	Chandraratna		-	12/29/89
Alik	12		5	는	1	5	1	5	8	05/14/91	Chandraratna			06/15/89
ľ			5	0	2	3	3	1	1	06/11/91	Chandraratna			09/19/89
ľ	-		5	10	12	1	5	5	1	09/03/91	Chandraratna			09/19/89
			5	0	-	3	5	2	3	10/01/91	Chandraratna		-	11/06/90
			5	0	6	8	2	5	2	11/26/91	Chandraratna			02/08/91
1		$-\vdash$	5	0	8	9	5	0	9	02/18/92	Chandraratna			03/20/89
Ì	. 		5	17	2	3	6	2	8	02/02/88	Shudo			
			4	+	2	6	0	5	5	04/20/82	Loeliger			
- 14	- ck		5	1-	3	6	3	3	5	07/14/92	Chandraratna			07/27/90
V	-89	-	5	1	3	4	1	5	9	07/28/92	Chandraratna .			03/26/91

FOREIGN PATENT DOCUMENTS

											SUBCLASS	TRANS	ATION
	DO	CU	IME	NT	NU	MB	ER	DATE	COUNTRY	CLASS	SOBCINSS	YES	NO
when I was	- 10	2	7	2	9	12	Ti	06/29/88	European	C07D	213/80	202	
All Asia	91	<u> </u>	1	6	0	5	1	10/31/91	International	A61K	31/44	xxx _	
	85	i,	0	0	8	0	6	02/28/85	International	A61K	31/00	XXX	
V \\\-	85	<u>;</u>	0	4	6	5	2	10/24/85	International	A61K	31/19	xxx	
1	0	0	0	8	5	9	1	01/18/84	European	—— C07D	333/54		XX

or, Title, Date, Pertinent Pages, Etc.)

	THE	R DOCUMENTS (Including author	r, Title, Date, Pertinette Page	
T Albando.	2	"A Convenient Synthesis of Ethynyla Synthesis (1980) p.627-630.	renes and Diethynylarenes" by S.	Takahashi et al.
N. Mari		Shudo et al. in Chem. Phar. Bull., (1	985) 33:404-407.	
	- 16			
\ , \ 	1	Chemistry and Biology of Synthetic	Retinoids by Marcia I. Dawson a	ind William H.
	9	Synthesis of 2,2'-Diacyl-1,1'-Biaryls. Org. Chem. (1980) No. 45, p.4720-4	Regiocontrolled Protection of 725.	by Mervic, et al, <u>J.</u>
EX	AMIN		DATE CONSIDERED	(N)
~	Th		Chapter -	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include

copy of this form with next complunization to applicant.

Sheet	3	of i
SHEEL	•	V: 1

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE

*PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE

STATEMENT BY APPLICANT (Uso several sheets if necessary)

ATTY.DOCKET	NO.
-------------	-----

SERIAL NO

17171-CIP-4

APPLICANT

Elliot S. Klein et al:

FILING DATE

GROUP Unassigned

U.S. PATENT DOCUMENTS

Mo	
	9 5

EXAMINER INITIAL			:	DOC	UMI	NT	NUM	Œ	t	DATE	NAME	CIASS	SUBCLASS	PILING DATE I APPROPRIATE
M)		4	3	9	1	7	3	1	07/05/83	Boller et al.	252	299.26	
4			5	0	3	7	8	2	5	08/06/91	Klaus et al.	514	233.8	
			5	1	6	2	5	4	6	11/10/92	Chandraratna	549	23	
	T .		5	1	7	5	1	8	5	12/29/92	Chandraratna	514	445	
			5	1	8	3	8	2	7	02/02/93	Chandraratna	514	444	1
•			5	2	0	2	4	7	1	04/13/93	Chandraratna	562	473	
	\top		5	2	3	1	1	1	3	07/27/93	Chandraratna	514	510	
			5	2	3	4	9	2	6	08/10/93	Chandraratna	514	253	
1	1		5	2	6	4	4	5	6	11/23/93	Chandraratna	514	461	
1	\Box	.	5	2	6	4	5	7	8	11/23/93	Chandraratna	546	269	
	M.		5	2	4	8	7	7	7	09/28/93	Chandraratna	546	165	

FOREIGN PATENT DOCUMENTS

W	
6	

· · · · · · · · · · · · · · · · · · ·	۱ ـ	201		· A PT	ACT 1	M	FD		COUNTRY	CTASS	SURCI ASS			
	יע	JCL	ME	ia r	NU	MD	LR	DATE	COUNTRY	CLASS	SUBCERS	YES	NO	
	0	1	7	6	0	3	2	04/02/86	European	C07C	65/38		хх	
	0	1	7	6	0	3	3	04/02/86	European	C07D	261/18		XX	
	0	2	5	3	3	0	2	01/20/88	European	C07D	213/16		xx	
	0	3	0	3	9	1	5	02/22/89	European	A61K	31/255		xx	
	0	3	1	5	0	7	1	05/19/89	European	C07C	63/66		xx	
		0 0 0 0	0 1 0 1 0 1 0 2 0 3	DOCUME	0 1 7 6 0 1 7 6 0 2 5 3 0 3 0 3	0 1 7 6 0 0 1 7 6 0 0 1 7 6 0 0 2 5 3 3 0 3 0 3 9	0 1 7 6 0 3 0 1 7 6 0 3 0 1 7 6 0 3 0 2 5 3 3 0 0 3 0 3 9 1	DOCUMENT NUMBER	DOCUMENT NUMBER DATE	DOCUMENT NUMBER DATE COUNTRY	DOCUMENT NUMBER DATE COUNTRY CLASS	DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS	DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES	

OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

Mr. as	lie	A Dopamine Receptor Model and Its Application in the Design of a Pyrrolo[2,3-g]isoquinoline Antipsychotics, Gary L. Olson et al. Amer	lew Cluss of Rigidican Chemical
MANA	1 10	Societe, (1981) 24/9:1026-1031.	
Y	12	6.2.3 Conformational Restriction, Williams, et al., <u>Drug Discovery an</u> The Humana Press, (1987) pp. 54-55.	d Development.
		V. RETINOID STRUCTURE-BIOLOGICAL ACTIVITY RELATIONS and Biology of Synthetic Retinoids, (1990) pgs. 324-356.	SHIPS, Chemistry
	(1	Davis et al. J. Organomettalic Chem (1990) 387:381-390.	
• 0			
			• •

FX	AΝ	11)	VER

DATE CONSIDERED

Sheet_	4	_of_	18
--------	---	------	----

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Rev. 2-32) PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY.DOCKET NO. 17171-CIP-4 SERIAL NO.

APPLICANT

. Elliot S. Klein et al.

FILING DATE

GROUP Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		,	DOC	UMI	D.T	NUI	/BEI		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AM		5	5 2 7 2 1 5 6 1						12/21/93	Chandraratna	514	314	
Mis		4	9	5	7	9	4	7	05/22/90	Chandraratna	549	484	01/30/89
		5	2	7	8	3	1	8	01/11/94	Chandraratna	549	23	10/21/92
		5	3	2	 	1	4	4	06/28/94	Chandraratna	514	456	07/22/92
	-	5	3	2	4	8	4	6	06/28/94	Chandraraina	546	318	06/11/92
	\vdash	+-	3	2	6	8	9	8	07/05/94	Chandraratna	560	17	02/11/92
-	-	4	8	2	6	9	8	4	05/02/89	Berlin et al.	546	134	
-		╁┷╌	÷	Ť.	+	19	5	9	09/06/94	Chandraraina	560	100	05/18/93
	<u> </u>	5	3	4	4	8	9	5	09/13/94	Chandraratna	514	247	01/06/93
	<u> </u>	5	3	1-	6	┿	╬	5	09/13/94	Chandraratna	514	432	01/06/93
-4-		5	3	14	8	9	1	12	09/20/94	Chandraratus	514	432	03/08/93

FOREIGN PATENT DOCUMENTS

	т	Γ.	-							COUNTRY		SUBCLASS	TRANSLATION	
· ·		DC	CU	ME	NT	NU	MB	ER	DATE		CLASS	SUBCLASS	YES	NO
Thank	-	2	1	9	0	12	17	8	11/18/87	United Kingdom	C07C	39/21	XXX	
Mt	┼─	3	3	1	6	9	3	12	11/17/83	Germany	C07C	63/66		xx
	╁╌	3	٠	2	4	f	9	4-	01/16/86	Germany	C07C	63/66		xx
	╀╴	3	7	-	╏	6	1	5	11/26/87	Germany	C07C	15/58 · ·		xx
	┼	92	Ľ.	6	6	9	1	8	04/30/92	International	C07C	69/86		

OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

•	Ollipit poodiii iii (
My	"Effects of 13-Cis-Retinoic Acid Proliferation, Lipid Synthesis an Vitro" C.C. Zouboulis, The Jou	, All Trans-Retinoic Acid, and Acitretin on the id Keratin Expression of Cultured Human Sebocytes in Irnal of Investigative Dermatology, (1991) 96/5:792-797.
-	"Organ Maintenance of Human	Sebaceous Glands: in Vitro Effects of 13-Cis Retinoic idden, et al., <u>Journal of Cell Science</u> (1990) 95:125-136.
)	"Characterization of Human Se Journal of Investigative Derma	baceous Cells in Vitro ^a , Thomas I. Doran, et al. <u>The</u> tology, (1991) 96/3:.
E	XAMINER	DATE CONSIDERED

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32)

PATENT AND TRADEMARK OFFICE

17171-CIP-4 APPLICANT

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)

Elliot S. Klein et al.

ATTY.DOCKET NO.

GROUP

FILING DATE

Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
TMA		5	3	4	8	9	7	5	09/20/94	Chandraratna	514	456	10/27/93
#14-	_	5	3	4	9	li	0	5	09/20/94	Chandraratna	564	163	03/17/93
		5	3	5	4	7	5	2	10/11/94	Chandraratna	514	252	10/28/93
_	<u> </u>	5	3	8	0	8	7	7	01/10/95	Chandraratna	549	60	03/08/93
-+-	_	5	3	9	1	7	5	3	02/21/95	Chandraratna	546	323	09/27/93
-1:-	<u> </u>	5	3	9	9	5	6	1	03/21/95	Chandraratna	: 514	252	01/07/94
		5	3	9	9	5	8	6	03/21/95	Davies et al.	514	448	03/11/93
-		5	4	0	7	9	3	7	04/18/95	Chandraratna	514	256	10/27/93
		5	4	1	4	0	0	7	05/09/95	Chandraratna	514	365	09/24/93
	_	5	4	2	6	1	ī	8	06/20/95	Chandraratna	514	337	12/30/93
		5	╀	3	4	1	7	3	07/18/95	Chandraratna	514	354	09/24/93

FOREIGN PATENT DOCUMENTS

										00111771	CLASS	SUBCLASS	TRANSLATION		
۸۸۸	A		DC	ocu	ME	NI	NU	MB	EK	DATE	COUNTRY	·	00000.00	YES	МО
\\\	U27			5	A	2/5/86 European									
			3	6 0 2 4 7 3			3	07/30/87	07/30/87 Germany	C07C	43/215		xx		
			0	6	6	1	2	5	9	05/07/95	European	C07C	233/81	XXX	
	 	<u> </u>	93	 	2	1	1	4	6	10/28/93	International	C07C	69/76		
	•		0	2	8	4	2	6	1	09/28/88	European	C07D	213/80	ххх	

OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

MA	"Synthesis and Evaluation of Stilbene and Dihydrostilbene Derivateives as Potential Anticancer Agents That Inhibit Tubulin Polymerization" by Cushman, Mark et al. J. Med. Chem., (1991), 34:2579-2588.
 	"Synthesis and Evaluatinof New Protoein Tyrosine Kinase Inhibitors. Part 1. Pyridinc-Containing Stilbenes and Amides" by Cushman, Mark et al. Bioorganic & Medicinal Chemistry Letters, (1991) 1/4:211-214.
EX	CAMINER DATE CONSIDERED
EXAM MPEP	INER: Initial if citation considered, whether or not citation is in conformance with 609; Draw line through citation if not in conformance and not considered. Include

copy of this form with next communication to applicant.

Sheet 6

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE

ATTY.DOCKET NO. 17171-CIP-4

SERIAL

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT

Elliot S. Klein et al.

(Use several sheets if necessary)

FILING DATE

GROUP Unassigned

U.S. PATENT DOCUMENTS

EXAMINER			DOC	UMI	M	NUN	Œ	3	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
79		5	4	5	1	6	0	5	09/19/95	Chandraratna et al	514		12/30/93
\neg		 5	4	5	5	2	6	5	10/03/95	Chandraratna	514	448	02/11/93
	1	5	4	6	8	8	7	9	11/21/95	Chandraratna	549	23	09/24/93
		5	4	7	0	9	9	9	11/28/95	Chandraratna	560	100	12/30/93
		5	4	7	5	0	2	2	12/12/95	Chandraratna	514	448	10/18/93
		5	4	7	5	1	1	3	12/12/95	Chandraratna	548	203	06/15/94
		5	4	8	9	5	8	4	02/06/96	Vuligonda et al.	514	188	12/29/94
		5	4	9	8	7	5	5	03/12/96	Chandraratna et al.	564	272	08/23/94
		 5	4	9	8	7	9	5	03/12/96	Song et al.	562	474 .	12/29/94
		5	5	1	4	8	2	5	05/07/96	Vuligonda et al.	558	462	12/29/94
A	1	5	5	1	6	9	0	4	05/14/96	Chandraratna .	514	269	02/07/95

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER						r D	DATE COUNTRY		CLASS	SUBCLASS	TRANSLATION		
Mr.		<u>"</u>	<i>,</i>	IVER		,,,	WID	EI	DAIL	COUNTRY	CIASS	50500.55	YES	NO	
		0	3	0	3	1	8	6	02/15/89	European	CO7F			xx	
		0	4	1 .	2	3	8	7	02/13/91	European	C07C	317/14	•	xx	
7		0	6	ı	7	0	2	0	09/28/94	European	C07D	213/82	xxx	75. •	
11		0	6	6	1	2	5	8	07/05/95	European	C07D	65/19		xx	
-W		0	6	6	1	2	6	1	07/05/95	European	C07C	235/84	xxx		

OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

"Di- and Tri-methoxystyryl Derivatives of Heterocyclic Nitrogen Compounds" by Bahner, C. T. et al. Arzneim-Forsch/Drug Res, (1981)31 (I), Nr. 3.

"Retinobenzoic acids. 3. Structure-Activity Relationships of Retinoidal Azobenzene-4-Carboxylic Acids" by H. Kagechika et al., Journal of Medicinal Chemistry, (1989), 32:1098-1108.

Eyrolles, L. et al. "Retinoid Antagonists: Molecular Design Based on the Ligand Superfamily Concept" Med. Chem. Res., (1992) 2:361-367.

EXAMINER

DATE CONSIDERED

Sheet7	of	18
--------	----	----

U.S. DEPARTMENT OF COMMERCE **FORM PTO-1449**

(Rev. 2-32)

PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) ATTY.DOCKET NO. 17171-CIP-4

SERIAL NO

APPLICANT

FILING DATE

Elliot S. Klein

GROUP

Unassigned

U.S. PATENT DOCUMENTS

EXAMINE	1	DOCUMENT NUMBER							DATE	NAME.	CLASS	SUBCLASS	PILING DATE IF APPROPRIATE
Ana	+	+	1.	١.		5	1	6	07/09/96	Chandrarates	514	253	02/07/95
ALTA	╀	5	5	3	-	6	4	1	07/09/96	Song et al.	549	416	12/29/94
	╁	5	5	3	1-	5	3	4	08/06/96	Vuligonda et al.	549	421	12/29/94
	╀	5	5	4	3	9	9	6	09/17/96	Beard et al.	549	407	12/29/94
	+-	5	5	5	6	8	2	8	01/07/97	Vuligonda et al.	546	322	02/27/96
	+-	5	5	19	1	4	5	7	06/04/96	Starrett, Jr. et al.	560	24	06/02/95
	+	5	5	1	3	∺	- -	8	09/24/96	Starrett, Jr. et al.	549	79	04/05/95
\rightarrow		5	5	5	9	2	4	+	02/04/97	Chandraratna	514	314	06/02/95
	4-	_ 5	5	9	9	8	1	9		Vuligonda et al.	560	48	12/29/94
	4	5_	5	9	9	9	6	17	02/04/97		514	247	10/14/94
(1	\bot	5	6	0	2	뿌	3	5	02/11/97	Chandraratna Chandraratna	514	252	06/02/95

FOREIGN PATENT DOCUMENTS

													SUBCLASS	TRANSLATION		
			DC	CU	ME	NT	NU	MB	ER	DATE COUNTRY		CLASS	SUBCLASS	YES	NO	
T.2			0	6	1	7	0	2	lo	28/09/94	Europe	C07D	213/82	xxx		
M			_	6	1	9	1	1	6	12/10/94	Europe	A61K	31/19	xxx		
	_		0	μ.	8	6	3	6	4	12/10/88	Europe	C07C	103/78	xxx		
	.		0	7	1	8	2	8	5	26/08/96	Europe	C07C	403/20	XXX		
		1	93	 	╎	1	17	5	5	24/06/93	International	A61K	31/07		<u> </u>	
$+\!$		- -	95	",	0	4	6	3	6	09/02/95	Inernational	C07C	403/20			

OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

_			Perinoids in Rats. Drug						
	Liu, S. S. et al. "S Metabolism and I	al. "Systemic Pharmacokinetics of Acetylenic Retinoids in Rats", Di and Disposition, (1990) 18/6: 1071-1077.							
Wp	CHEMICAL ABS	TRACTS, vol. 122,	, no. 13,27 March 1995 abstract no. 151572111,						
	CHEMICAL ABS	TRACTS, vol. 117,	, no. 13, 28 September 1992 abstract no. 124091j,						
	36 (S. SUN et al.)		TO TOWN WELL 212 no. 1 1003 RERLIN						
2/1	EUROPEAN JOU 20 pages 13-26, XPO	JRNAL OF BIOCH 00618300 (S. KEID.	HEMISTRY, vol. 212, no. 1, 1993, BERLIN, DEL et al.)						
$-\Psi$	JOURNAL OF M	EDICINAL CHEM	MISTRY, vol. 39, no. 16, 2 August 1996, pages 3035-						
. #	TOURNAL OF N	FDICINAL CHEM	MISTRY, vol. 37, no. 10, 13 May 1994, pages 1508- Gordon eg al						
	3 1517, LAURÉN	E EYROLLES.							
EX	AMINER	11 10	DATE CONSIDERED						
		- 14 + XI / 1	1 (1/1/1/19)						

(Rev. 2-32)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

(Use several sheets if necessary)

ATTY.DOCKET NO. 17171-CIP-4

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT

Elliot S. Klein et al

FILING DATE

GROUP Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	_	DOCUMENT NUMBER							DATE NAME	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AW		+-	1,	T	5	9	Τι	5	02/25/97	Vuligond et al.	514	356	05/31/96
1111		5	6	0	6	5	9	7	04/01/97	Chandraraina	514	365	06/02/95
		5	6	+	6	17	ť	2	04/01/97	Teng et al.	546	158	05/16/95
		5	6	+	8	8	3	6	04/08/97	Chandraratna et al.	514	444	04/10/95
	-	-	+-	+	8	9	3	1	04/08/97	Beard et al.	544	224	12/29/97
	<u> </u>	5	6	+	8	9	4	3	04/08/97	Vuligonda et al.	546	342	12/29/94
-+	-	13	6	2	0	1	4	5	05/30/95	Shudo	514	352	03/23/93
	-	5	1-	┿	4	1	1	6	10/11/94	Chandratatna	514	461	06/29/93
	-	5	3	5	÷	+	5	+	09/03/85	Krebs	260	410	06/15/83
	L	4	5	13	9	1	+-	4	11/14/95	Dawson et al.	560	100	11/25/92
- (}	-	5	5	6	3	2	6 9	2	10/08/96	Sheh et al.	560	255	

FOREIGN PATENT DOCUMENTS

	 -		_			_		_	_			CT 466	SUBCLASS	TRANSLATION		
		Ī	DC	ĊŪ	ME	NT	NU	MB	ER	DATE		CLASS	SOBCIVES	YES	NO	
tmb		-	96	,	0	5	Ī ₁	6	5	22/02/96		C07C	57/50	xxx		
7,4	ᅱ	-	93	,	-	3	7	1	3	04/03/93		A61K	31/07		Section 1	
-+	\dashv		0	5	-	4	2	6	9	19/11/92	Europe	C07C	257/08		×	
	\neg		<u> </u>	4	7	8	7	8	7	03/10/91	Europe	C07C	233/65	xxx		
—			94	<u> </u>	1	4	7	7	7	07/07/94	International	C07D	231/54	<u> </u>	<u> </u>	

OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

	BIOCHEMICAL AND BIOPHYSIC 1 no. 1, 1988, pages 503-508.	AL RESEARCH COMMUNICATIONS, vol. 155
mf	CHEMICAL ABSTRACTS. vol. 121	, no.9, 1994.
-/-	DATABASE WPI, Section CH, We	ek 9416, Derwent Publications Ltd. London, GB; 078266A, see English language abstract in
	DERWENT.	
-4	JOURNAL OF MEDICINAL CHE	MISTRY, vol. 38, no. 16, 4 August, 1995, pages 3163-
·V	Weiner, et al., "A phase I trial of t	opically applied trans -retinoic acid in cervical alignment (alional New Drugs, 4:241-244, 1986
E	AMINER AAA	DATE CONSIDERED
157		7/9/12
		· / · · / C · · · · · · · · · · · · · ·

Sheet_	9	of_	18

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY.DOCKET NO. 17171-CIP-4 SERIAL NO

APPLICANT

Elliot S. Klein et al.

FILLING DATE

GROUP Unassigned

U.S. PATENT DOCUMENTS

. E	EXÁMINER INITIAL	<u> </u>	Γ	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
4.		-	Ļ	1.		. 1		5	0	3	07/15/97	Vuligonda et al.	549	13	05/31/96	
ИŦ		├-	5	19	-		_	-	8	4	05/08/90	Chandraratna	514	354	04/01/88	
17	<i>f</i>	╀	14	19	-		<u>3</u> 8	5	,	Ë	07/15/97	Johnson et al.	560	102	12/29/94	
"_		┼-	5	1	-	5	_	4	6	9	08/05/97	Vuligonda et al.	560	56	05/31/96	
_	\	┼-	5	+	\dashv	_	4	3	1	7	09/02/97	Chandraratna	546	152	06/06/95	
_	 	┼	5	4	_	6	3	3	5	7	09/02/97	Teng et al.	546	323	11/22/95	
_	-	┼-	5	+	-	-	3	3	6	7	09/02/97	Vuligonda et al.	549	4	05/31/96	
_	 - - - - - - - - - 	┼	5	-	_	6	0	6	+-	1/2	05/10/		435	64	06/08/93	
	-\-	╀╌	╌	4	_	-	۲	6	+-	6	11/05/		435	69.1	11/02/94	
_	-₩-	╀	5	-[_	۲,	1	+	8	3	11/26/		435	240.2	06/21/91	
_	₩-	+	5	5	6	1	2	+	 °	1	9/30/9		548	188	09/03/95	

FOREIGN PATENT DOCUMENTS

							-			CLASS	CIDOL VCC	TRANSLATION		
	DOCUMENT NUMBER DA						ER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	
 	-		_	ī	Τ									
 ├	 	\vdash	├─	-	╁	╁╌	-							
 	<u> </u>	-	┡	╀╌	╀	┝	├	 		1				
	├-	-	┞	╀	╀	┝	╁╴	 						
 <u> </u>	↓	-	┡	╀	╀	╀	╀			1				
1		_	ł	_	<u> </u>	丄	<u> </u>							

OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

C	HEK	DOCOMENTO (merganie anni	
		ones, et al., "A dose-response study	of 13-cis-retinoic acid in acne vulgaris", British 333-343.
MA	51	Pekrat, et al., "The Effect of Oral I.	3-cis-retinoic Acid on Retinal Redetachment after rative Vitreoretinopathy", Ophthalmology,
-+-	6	Vol. 102, No. 3 (March 1995), pp. 4	12-418.
	PO PO	Nagpal, et al., "Separation of Trans Refinoic Acid Receptor α", The Jo	activation and API Antagonism Functions of ournal of Biological Chemistry, 270/2(1995): 923-927.
-		Allegretto, et al., "Transactivation P	roperties of Retinoic Acid and Retinoid A Yeast". The Journal of Biological Chemistry.
\ \	15	Vol. 268, No. 35 (Dec. 15, 1993), p	p. 26625-26633.
EX	AMIN	ER //	DATE CONSIDERED

Sheet	10	_of_	18

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE
(Rev. 2-32)	PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) ATTY.DOCKET NO.

SERIAL NO.

17171-CIP-4

APPLICANT. Elliot S. Klein et al.

FILLING DATE

GROUP Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		E)OC	JME	NT I	(UM	BER		DATE	NAME	CLASS SUBCLASS		FILING DATE IF APPROPRIATE	
TAR	,	5	6	7	5	0	2	4	10/7/9	Teng et al.	549	405	11/22/95	
AM		5	6	<u>'</u>	5	0	3	3	10/7/9		560	100	06/06/95	
-10		4	4	8	5	2	5	2	11/27/		560	8		
		-	8	3	3	2	-	0	05/23/	9 Maignan et al.	536	55,2		
		5	6	7	7	3	2	_	10/14/9		514	365	01/09/97	
+	<u> </u>	5	6	7	7	7	7	3	10/14/9	7 Chandraratna	514	374	10/29/96	
	<u> </u>	5	6	7	7	4	5	1	10/14/9		544	238	06/06/95	
		5	6	۲.	8	9	5	7	11/18/		546	280.1	12/29/95	
-1-		5	6	-	6	1	6	2	12/09/		514	532	06/02/95	
	_	5	6	_	8	17	0	6	12/16/		546	282.1	05/31/96	
__	-	5.	7	1	7	6	9	4	02/10/		544	238	07/15/91	

FOREIGN PATENT DOCUMENTS

				_			C1 455	SUBCLASS	TRANSLATION					
DOCUMENT	NT	NUI	MBE	ER	DATE	COUNTRY	CLASS	SUBCIASS	YES	NO				
		_	_		_	Ė		Г	 				Y.A.	***
	_	_	\vdash		-	┝		\vdash						
	-	-	H		: Na.						-			**
	_	-	\vdash			H	T	Τ						
						- N	T	Η						

OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

My	Grunpner, et al., "6'-Substituted Naphthalene-2-Carboxylic Acid Analogs, A New Class of Retinoic Acid Receptor Subtype-Specific Ligands," Biochemical and Biophysical Communications, Vol. 179, No. 3 (Sept. 30, 1991), pp. 1554-1561.
	Moore, et al., "Retinoic Acid and Interferon in Human Cancer: Mechanistic and Clinical Studies," Seminars in Hematology, 31/4, Suppl 5 (Oct. 1994), pp.31-37.
	Chen et al, A transcriptional co-repressor that interacts with nuclear hormone receptors. Nature 377; pp 454-457
V	Giguere et al; Letters to Nature, ARTICLES, Vol. 330, 12/17/1987; pp 62/
	AMINER (M) DATE CONSIDERED

•			b.	محمد		À	ممسد							
												Sheet_	11_of_1	
FORM P	10-14	49	τ	J.S.	DE	PA	RTN	Œ	T OF CO	MMERCE	ATTY.DOCK]	et no.	SFRIAI	NO NO
(Rev. 2-32) PATENT AND TRADEMARK OFFICE											17171-CIP-	4		20
INFORMATION DISCLOSURE STATEMENT BY APPLICANT											APPLICANT Klein et al.		7 P	
(Use several sheets if necessary))	FILLING DATE GROUP			
			,,,,								·		Unass	igned
			_					τ	J.S. PAT	ENT DOCUM	MENTS			
EXAMINER INITIAL	T	D	oc	UMIE	NT:	NUM	BER		DATE	NA	NAME CLASS SUBCLASS FILEN			FILING DATE IF APPROPRIATE
-AM		5 T	<u> </u>	1	8	8	3	9	4/8/97	Starrett,	Jr. et al.	514	513	05/02/96
N. Wh	$\overline{}$	-	6	-	8	3	8		7/15/97		Jr. et al.	514	513	6/5/95
- \\\-	十	Ť	<u> </u>		Ť				•			<u> </u>		
	十	-		t	T	1	П			·				l

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER										S SUBCLASS	TRANSLATION		
		DO	CU	ME	NT :	NUI	MBE	ER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	
													and the same	-	
			Н	┪										Š. v. s	
						Г									
			Г	Т			Τ			•	_				
	-	\vdash	\vdash	Г	\vdash		H	Η					200		

OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

O	MEK DOCOMENTS (Tucinging at	inior, lind Dated I exemises a spect and
.//	Mangelesdorf, et al. The Retino Ed. Chapter 8, pp.319-349.	oid Receptors", Biology, Chemistry and Medicine, 2nd
MAR	ANagpal, et al., Cell Growth & D	ifferentiation, Vol. 7 (Dec. 1996), pp.1783-1791.
	6	, vol. 377 (Oct. 5, 1995), pp.397-404.
	Ishikawa, et al., "A Functional I Human Chromosome 12", Mole	Retinoic Acid Receptor Encoded by the Gene on cular Endocrinology, Vol. 4 No. 6 (1990), pp. 837-844.
	Campochiaro, et al., Investigation 1991), pp. 65-72.	ve Ophthalmology & Visual Science, Vol. 32 No.1 (Jan.
7	Sen, et al., Arch Ophthalmol, V	ol. 106 (Sep. 1988), pp. 1291-1294.
EX	AMINER MAN	DATE CONSIDERED
		ther or not citation is in conformance with MPEP 609:

•		5	فمحنس		1	A P				<i>5-1</i>	السيا				
											:	Sheet_	<u>12_of_1</u>	8 2 00 8	
FORM PTO	FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE											NO.	SERIAL	NOV OO	
(Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT									RK OFFICE	17171-	CIP-4		1		
									E	APPLIC Klein et	200				
								necessar		FILLING	DATE	:	GROUP		
•	•									-			Unass	iqned	
							τ	J.S. PAT	TENT DOCU	MENTS				·	
EXAMINER DOCUMENT NUMBER DATE									N	AME.		CLASS	SUBCLASS	APPROPRIATE	
	十一	Π											· ·		
	+-	╁	十	Т	H										
i					ш	_	\vdash		+				I -	1	

EXAMINER INITIAL DOCUMENT NUMBER DATE

FOREIGN PATENT DOCUMENTS

	т_	Γ								SUBCLASS	TRANSLATION			
	DOCUMENT NUMBER D					וטא	MBI	ER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	╁╴	\vdash	Г			Г	Γ	Г						
	├	\vdash	H	-	\vdash	十	┢						•	
	├-		┝	-		十	-	十						
	├-	\vdash	\vdash	\vdash	\vdash	╁	╁	\vdash						
	<u> </u>	-	┝	├	⊢	┢	┢	十						
			乚	<u> </u>	L	L	<u> </u>	<u></u>	<u> </u>		1	·		

(OTHER DOCUMENTS (Including aut	
	Peck, et al., The New England Jo. pp.329-333.	urnal of Medicine, Vol. 300 No. 7 (Feb. 15, 1979),
Mr	Araiz, et al., Investigative Ophtha 1993), pp. 522-530).	mology & Visual Science, Vol. 34, No. 3 (March
	Benbrook, et al., "A new retinoic carcinoma". Letters to Nature, Vo	acid receptor identified from a hepatocellular ol. 333, No. 16 (June 1988), pp. 669-672.
	de Wet, et al., "Firefly Luciferase Molecular and Cellular Biology,	Gene: Structure and Expression in Mammalian Cells", /ol. 7 No. 2 (Feb. 1987). pp 725-757
	Matrisian, et al., Molecular and C	Cellular Biology, Vol. 6, No. 5 (May 1986).pp 299-305
A	Madsen, et al., The Journal of In	vestigative Dermatology, Vol. 99, No. 3 (Sept. 1992),
EX	KAMINER 1/5//	DATE CONSIDERED

EXAMINER //////	DATE CONSIDER
MM	7/0/
	7777

Sheet 13 of 18

(Rev. 2-32)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY DOCKET NO. 17171-CIP-4

SERIAL NO.

APPLICANT Klein et al. INFORMATION DISCLOSURE STATEMENT BY APPLICANT GROUP (Use several sheets if necessary) FILLING DATE Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	,	юс	UMB	NT I	NUM	BER	DATE	NAMO	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		Γ		Г	Γ						
- · -	┢╾		Г	Т	Π	Г					
				Г	Г	Π					
-				Г	Γ						
7.7									<u> </u>		
	Г	,		·							
	Г		Γ		Г					ļ	
		Γ			-						
		•								ļ	
			Π		Π			<u>.</u>	<u> </u>		<u> </u>

FOREIGN PATENT DOCUMENTS

	Γ								COUNTRY CLASS SUBCLASS	TRANSLATION		
	DC	CU		NT	NUI	MBI	EIR	DATE	COUNTRY CLASS SUBCLASS	YES	NO	
			Ī									
-		П			Г	Γ				<u> </u>		
					Γ					<u> </u>		
										<u> </u>		
	Г		Г			Γ						

OTHER DOCUMENTS (Including author, Title, Date, Pertinent Pages, Etc.)

•		K DOCOMPILIO (mercame -									
	. ₩		ol. 102, No. 3 (March 1995), pp. 412-418.								
$ \mathcal{D}m $	14	Mangelsdorf, et al., "Nuclear repathway", Nature, Vol. 345, 17	dorf, et al. "Nuclear receptor that identifies a novel retinoic acid response", Nature, Vol. 345, 17 (May 1990), pp. 224-229.								
	²	Umesono, et al., "Retinoic acid common responsive element", I	and thyroid hormone induce gene expression through a Nature, Vol. 336, 17 (Nov. 1988), pp. 262-265.								
	5	Ferrara, et al., "Highly Potent I Dihydroxyyitamin D ₃ ," The Jour	Transcriptional Activation by 16-ene Derivatives of 1,25- rnal of Biological Chemistry, Vol. 269, No. 4 (Jan 28,								
	J.X	Cheng, et al., Reaction," Bioch	emical Pharmacology, Vol. 22, pp. 3099-3108.								
	1	<u>h</u> , 51, pp. 3982-3989.									
EX	AMIN	TER A A A	DATE CONSIDERED								

next communication to applicant.

COMMERC		144	9U.	s.	DEP	AR	TME	NT C	F		ATTY. DOCKET NO. 17171-CIP4	SER	IAL NO.				
	_	PA	TEN	T A	מא	r.	ADE	MARI	OFFI	CE							
TMEO	DW	N 177	ONT 1	n T Q (T.OS) R S	יי ביי	ement				ı				
IMPO	E.E.L		BY	API	LIC	AI	TT .					109	1685,	828			
(USE	SE	VER	AL	SHE	ETS	I	F NI	ECES	SARY)				.000/	000			
SYNTHE: COMPOUR	NDS	HA	(IV	ig n	EGA'	ΤI	VE 1	HOR	ONE		APPLICANT Elliott S. Klein, et	al.					
12.07 0.0											FILING DATE	GRO Not	UP Yet Ass	signed			
									 -								
· · · · · · · · · · · · · · · · · · ·			<u> </u>							•	U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	Τ	1	DO	CUME	NTNU	MBI	ER	Т	DATE		NAME SUBCLASS				FILING DATE (IF APPROPRIATE)		
MITTAL	╀	t	Γ	. [.	\neg	Т	Т	-	< 1	j	Annual and the second of the s	00.00			*******		
	\dagger	\dagger	\vdash	\forall	+	†	+	-		 	of						
	T	†		H	十	†	1.			1	Company of the Compan						
	I	I															
						1	\perp	L			· .			ļ			
	L	L		Ш		1								ļ			
		1			ł	1	l	ı				'	İ	1			
						_											
										FC	REIGN PATENT DOCUMENTS						
EXAMINER INITIAL			DO	CUME	NTNU	MB	ER .	1	DATE	FC	REIGN PATENT DOCUMENTS COUNTRY	CLASS	SUBCLASS		TRANSLATION		
EXAMINER INITIAL			DO	CUME	NTNU	мв	ER		DATE	FC		CLASS	SUBCLASS	YES	TRANSLATION		
EXAMINER INITIAL			DO	CUME	NTNU	MB	ER		DATE	FC		CLASS	SUBCLASS	YES .			
EXAMINER INITIAL			D00	CUME	NTNU	MIB	ER		DATE	FC		CLASS	SUBCLASS	 			
EXAMINER INITIAL			D0	CUME	NTNU	MB	ER		DATE	FC		CLASS	SUBCLASS	 			
EXAMINER INITIAL			DO	CUME	NTNU	MB	ER		DATE	FC		CLASS	SUBCLASS	 			
EXAMINER INITIAL			DO	CUME	NTNU	MB	ER		DATE	FC	COUNTRY	CLASS	SUBCLASS	 			
EXAMINER		d	DO	CUME	NTNU			ROO					SUBCLASS	 			
INITIAL		•					OTHE		CUMENTS	(INCL	COUNTRY / LUDINGAUTHOR, TITLE, DATE, PERTINEN	TPAGES,ETC.)			NO		
EXAMINER INITIAL	7	KJe Ari	in, et a	al., The	Journalinvers	alof	OTHE	ical Ch	CUMENTS COMMENTS.	(INCL	COUNTRY	TPAGES,ETC.)			NO		
EXAMINER		Kie An	in, et a	al., The	Journal Inverse Aol, En	alof	OTHE Biolog	icalCh	CUMENTS emistry; Se	(INCL	COUNTRY / LUDINGAUTHOR, TITLE, DATE, PERTINEN	TPAGES,ETC.)			NO		
EXAMINER INITIAL	7	Jax	in, et a lagoni kson,	al., The	Journs finers Aol. End.	al of e A	OTHE Biologonists	icalCh L 1:693 (CUMENTS emisty; Se (1997) ~	(INCL	COUNTRY / LUDINGAUTHOR, TITLE, DATE, PERTINEN / oc, 1996, pp. 22692-22696; Identification and	TPAGES,ETC.)			NO		
EXAMINER INITIAL	7	Jac Sm You	in, et alagoni akson, ith, et	al., The et al., i al., Mo	Journal Inverse Aol Endo	al of a Action and a continued.	OTHE Biolog gonists trinol.1 Chem.	icalCh 1:693 657 (19 38: 31	CUMENTS emistry; Se	(INCL	COUNTRY / LUDINGAUTHOR, TITLE, DATE, PERTINEN / oc, 1996, pp. 22692-22696; Identification and	TPAGES,ETC.)			NO		
EXAMINER INITIAL	7	Jac Sm You	in, et alagoni akson, ith, et	al., The et al., i al., Mo	Journal Inverse Aol Endo	al of a Action and a continued.	OTHE Biolog gonists trinol.1 Chem.	icalCh 1:693 657 (19	CUMENTS emistry Se (1997) ~ (1	(INCL	LIDINGAUTHOR, TITLE, DATE, PERTINEN of, 1996, pp. 22692-22696; Identification and	TPAGES,ETC.)			NO		
EXAMINER INITIAL EXAMINER	10 18 18 O	Kile And Jax Sm You Ka	in, et a lagoni ikson, ith, et	al., The ssts and et al., Mo ra, et a et al. M	Journal Inversion Inversion I. Endoc., J. Me	alofeeA.	OTHE Biologgonists arinol 1 Chem. Res. 1	1:693 (657 (19 38: 31/	CUMENTS emistry.Se (1997) ~ (1	(INCL	COUNTRY UDINGAUTHOR, TITLE, DATE, PERTINEN of, 1996, pp. 22692-22696; Identification and	TPAGES, ETC.) Functional Separa	Sion of Retinoica	Acid Receptor	Neutral		
EXAMINER INITIAL EXAMINER EXAMINER	0	Jac Sm You Ka	in, et a lagoni dison, et a lagoni dison, et a lagoni dison, et a lagoni dison, et a lagoni disono di lagoni di lago	al., Thessissand et al., Mc ra, et a	Journal Inverse Aol. End. Ch. J. Meied. Ch.	al of each	OTHE Biologgonists Infinol 11:3 Chem. Res. 1	1:693 657 (19 38: 31 1:220-2	CUMENTS certists Se (1997) -	(INCL	LIDINGAUTHOR, TITLE, DATE, PERTINEN of, 1996, pp. 22692-22696; Identification and	TPAGES, ETC.) Functional Separa	Sion of Retinoica	Acid Receptor	Neutral		
EXAMINER INITIAL EXAMINER EXAMINER	0	Jac Sm You Ka	in, et a lagoni dison, et a lagoni dison, et a lagoni dison, et a lagoni dison, et a lagoni disono di lagoni di lago	al., Thessissand et al., Mc ra, et a	Journal Inverse Aol. End. Ch. J. Meied. Ch.	al of each	OTHE Biologgonists Infinol 11:3 Chem. Res. 1	1:693 657 (19 38: 31 1:220-2	CUMENTS certists Se (1997) -	(INCL	COUNTRY LUDINGAUTHOR, TITLE, DATE, PERTINEN C, 1996, pp. 22692-22696; Identification and DATE CONSIDERED ATION IS IN CONFORMANCE WITH MPEP	TPAGES, ETC.) Functional Separa	Sion of Retinoica	Acid Receptor	Neutral		

The first transfer of the first the first transfer to the first transfer that the first transfer which was a second

the state of the s

· 特别 1. 智士 1. 化自然性 1. 多种 1. 文字 1. 多种 1. 多

The same was a second of the s

FORM PT		144	9U .	s.	DE	PA	RTM	ENT	OF	ATTY. D	OCKET NO.			IAL NO. 042,943				
		PA'	TEN	T A	ND	TI	ZADI	EMA:	RK OFFIC	3/								
			BY	AP	PLI	CA	NT		ATEMENT /			·	0	09/685,828				
1 '	SYNTHESIS AND USE OF RETINOID COMPOUNDS HAVING NEGATIVE HORMONE Elliott S. Klein, et al.																	
	DS	HA	VII	1G 1	ŒG.	AT	IVE	HO	RMONE			n, et al	•					
FILING DATE GROUP 03/17/98 GROUP Not Yet Assign															signed	igned		
															. نه			
· · · · ·								-		U.S. PATENT D	OCUMENTS	<u> </u>		,				
EXAMINER INITIAL	EXAMINER DOCUMENT NUMBER DATE										E	•	CLASS	SUBCLASS	TE PRIATE)			
												•						
			L					Ш				· ·						
1					-								ľ	l	j			
										FOREIGN PATENT	DOCUMENTS	•						
EXAMINER INITIAL			DO	CUME	NTN	UMI	BER		DATE		COUNTRY		CLASS	SUBCLASS	1	TRANSLATION		
in in in it	:														YES	NO		
				П	П													
										,								
															<u> </u>			
												/	<u> </u>		<u> </u>			
				Ц	_		Ш							<u> </u>				
				Ш				Ш		w		_/	<u> </u>	<u> </u>	<u> </u>			
EXAMINER INITIAL		•		-			OTH	ER D	OCUMENTS (IN	CLUDINGAUTHOR	,TITLE, DATE, PE	PINENTPAGE	ES,ETC.)	***	•			
111	94	Apfe	el, et a	al. Proc	. Nat	L.Ac	ad. Sc	LUS/	89:7129-7133,	August, 1992 Cell Bj	slogy							
I NAK	W.	Eck	hardt	et al.	Toxic	olog	yLette	ers 70:	299-308 (1994)	J_/								
14	il	Kek	sel, et	aL, M	olecu	lare	nd Ce	DutarE	iology 14: 287/2	38(1994)								
	10	Nag	pal, e	t el. (1	993)	EME	OJ.1	2:234	9-2360									
	8	A11	an 1	et 951	a]	19	The	e Jo	ournal or	F Riologic d Antihorm	al Chemis one Induc	try, Vol.	. 267. inct C	No. 27	; 9/25/ tional	1992; Changes		
` _	_	wh	ich	ar	·e.	Cei	īţr	al,	to Stero	id Recepto	r Activat	ion	,,					
EXAMINER	2	<u>}</u>	<u>-</u>	Ÿ	_	1	4	X	*		DATE CONSIDERI		9/02					
*EXAMINER: CONFORMAN	NITI CEA	ALIF ND N	CITA	TION	CONS	SIDE ED,U	RED,	WHE	THER OR NOT (DPY OF THIS FO	ITATION IS IN CON RMWITH NEXT CO	FORMANCEWITI MMUNICATIONT	HMPEP 609, DF O APPLICANT.	WAW LINE 1	THROUGH CTT	ATTONIF NOT	'IN		